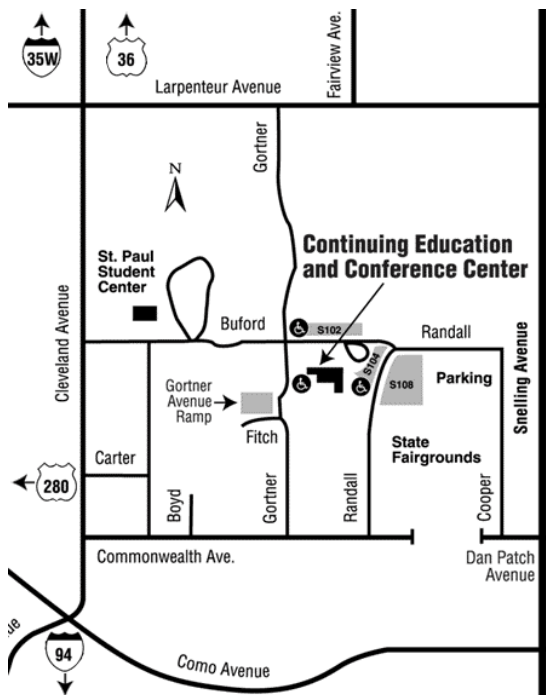


MGWA FALL CONFERENCE

The Effect of Agriculture on Groundwater Resources

University of Minnesota, St. Paul
Continuing Education and
Conference Center



Payment can be made by: VISA/MC/AMEX/Discover, check or purchase order. For credit card orders, use the secure online order site, www.mgwa.org/store Make checks payable to MGWA. Purchase orders accepted, but no-shows will be billed.

Cancellations accepted until November 3rd, after which you may still send an alternate or donate your registration to a student.

November 15, 2017

Registration 7:30 am

Program Begins 8:00 am

SPEAKERS INCLUDE

WILLIAM SIMPKINS

Iowa State University

The "Bootprint" of Intensive Agriculture in Iowa:
Groundwater, Drainage, and Litigation

JEFFREY PETERSON

University of Minnesota

Economics of Irrigation and Groundwater Depletion

KEVIN KUEHNER

Minnesota Department of Agriculture

From Field to Stream: Measuring Nitrate Loss in
Southeast Minnesota

YUSONG LI

University of Nebraska

Impacts of Climate Change on Nitrate Transport
Beneath a Center-Pivot Irrigated Corn Field

DAVID LEGVOLD

Farmer/Educator

Farm-Based Research on Altered Hydrology of
Minnesota Agricultural Lands: Study of Saturated Buffer
Technology in Tile Water Nitrate Abatement

DAVID RINDAL

Minnesota Department of Health

MDA-MDH Community Public Water System Well
Pesticide Reconnaissance Study

KIM KAISER

Minnesota Department of Agriculture

Nitrate-N in Private Wells at the Township Scale

TIM COWDERY

U.S. Geological Survey

The Hydrologic Benefits of Wetland and Prairie Resto-
ration in Western Minnesota: Lessons Learned at the
Glacial Ridge National Wildlife Refuge, 2002-15

REGISTRATION FORM

Deadline for pre-registration is November 3, 2017.
Registration includes a pre-meeting continental
breakfast, mid-morning coffee, buffet luncheon
and afternoon snacks and beverages.

Mail Registration form to:

MGWA c/o WRI
4779 126th St. N.
White Bear Lake, MN

or you can register with our secure online
ordering system at www.mgwa.org/store

Name: _____

Affiliation: _____

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

REGISTRATION FEES:

Member: **\$150** _____

Nonmember: **\$200** _____

Full-Time Students: **\$ 70** _____

*Students who paid for their own attendance will
receive \$50 reimbursement at the conference*

Fully Retired Rate: **\$ 70** _____

Late Registration (After
November 3rd) or at the door, add **\$ 50** _____

Total Enclosed: **\$** _____

DESCRIPTION

The effect of agriculture on groundwater resources has been a lingering but ever growing concern in agricultural regions across the nation for decades. Fertilizers and pesticides are showing up at increasing rates in water supply wells, increases in irrigation pumping have affected baseflow to streams, and the growth of drain tile use results in water leaving the landscape faster than ever.

In Minnesota, regulatory changes have brought the effect of agriculture on groundwater to the headlines once again. Some examples include: the 2015 buffer law, proposed rules regarding nitrate in groundwater, and potential implementation of stricter controls of agricultural irrigation in some parts of the state.

The immense scale of these issues, in time, geography, and economics, make them difficult to study and even harder to manage or fix. The MGWA Fall Conference will present a sampling of some of the latest research related to agriculture's impact on groundwater resources. We will shed some light on the problems we face today in Minnesota and across the country, what's being done to address these issues, and what might be needed in the future.

CALL FOR POSTERS AND LIGHTNING TALKS:

If you would like to present a poster or a short and direct 5 minute talk pertaining to Minnesota groundwater, please contact Evan Christianson (952)832-2957 by November 3rd.

CONTACTS:

To register, mail to:
MGWA, 4779 W 126th St N
White Bear Lake, MN 55110-5910

or order online: www.mgwa.org/store
For conference registration information contact:
WRI (651) 705 - 6464 email: office@mgwa.org
For conference content information contact:
Evan Christianson (952) 832-2957

This conference is designed to meet the criteria for continuing education for professionals registered with the MN Board of AELSLAGID and for well contractors as specified by the MN Department of Health

MINNESOTA GROUND WATER ASSOCIATION

4779 126th St. N
White Bear Lake, MN 55110

Address Service Requested

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8 am - 4:30 pm

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